

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000787.D
 Acq On : 01 Apr 2015 14:55
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

Manual Integrations
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Quant Time: Apr 01 15:49:36 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 04:17:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	37572	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	125635	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	60572	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	136670	5.00	ng	0.00
19) Chrysene-d12	21.21	240	113674	5.00	ng	0.00
25) Perylene-d12	23.40	264	105211	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	58319	7.57	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	174360	9.28	ng	0.00
21) Terphenyl-d14	19.66	244	139870	10.23	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.45	128	2129	0.07	ng	# 92
7) 2-Methylnaphthalene	12.08	142	1242	0.07	ng	96
10) Acenaphthylene	13.99	152	1617	0.06	ng	99
11) Acenaphthene	14.33	154	1263	0.07	ng	97
12) Fluorene	15.32	166	1471	0.07	ng	97
14) Hexachlorobenzene	16.33	284	587	0.07	ng	# 96
16) Phenanthrene	17.05	178	2681m	0.07	ng	
17) Anthracene	17.15	178	2169	0.07	ng	99
18) Fluoranthene	19.09	202	2576	0.07	ng	99
20) Pyrene	19.45	202	2657	0.07	ng	99
22) Benzo(a)anthracene	21.19	228	2588	0.08	ng	# 91
23) Chrysene	21.24	228	2806	0.08	ng	96
24) Indeno(1,2,3-cd)pyrene	25.59	276	2519	0.07	ng	99
26) Benzo(b)fluoranthene	22.74	252	2332	0.07	ng	# 79
27) Benzo(k)fluoranthene	22.79	252	2406	0.08	ng	# 78
28) Benzo(a)pyrene	23.30	252	2087	0.07	ng	# 71
29) Dibenzo(a,h)anthracene	25.61	278	1998	0.07	ng	# 83
30) Benzo(g,h,i)perylene	26.26	276	2339	0.08	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

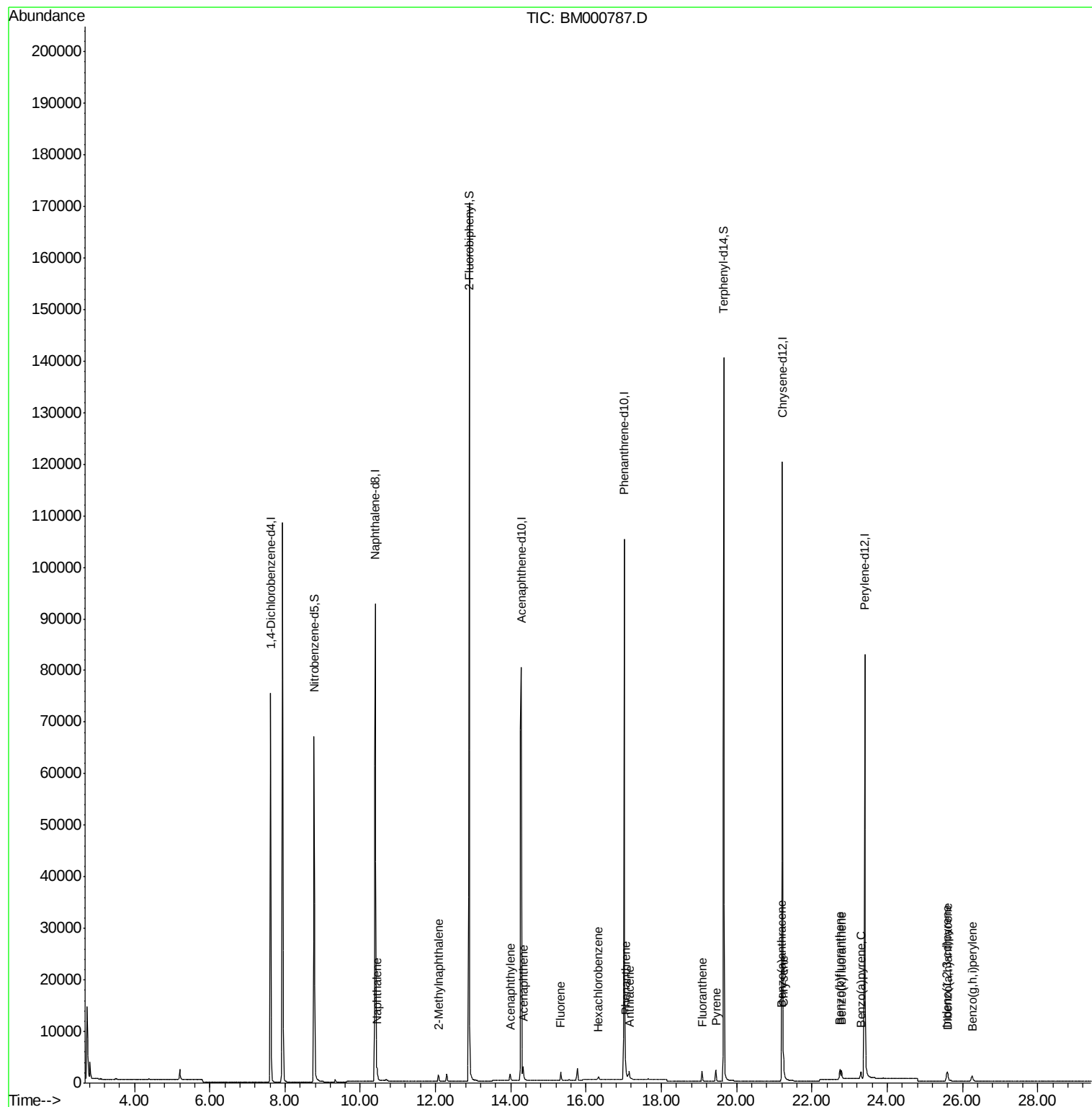
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000787.D
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Misc : MDL-WATER-0.1/0.2PPM
ALS Vial : 27 Sample Multiplier: 1

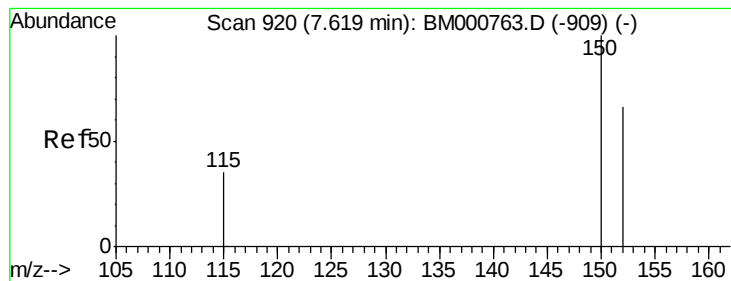
Instrument :
BNA_M
ClientSampleId :
MDL-07-W

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 04:17:30 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

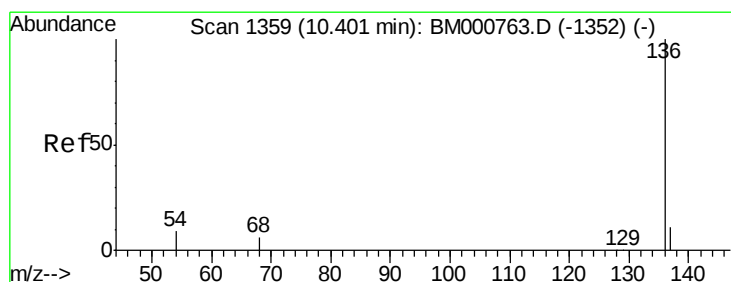
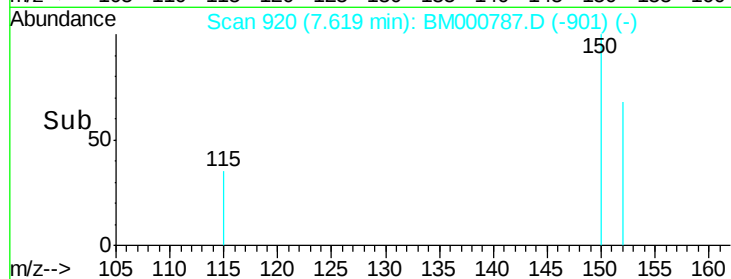
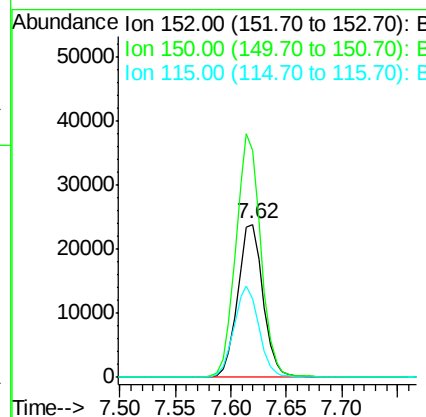
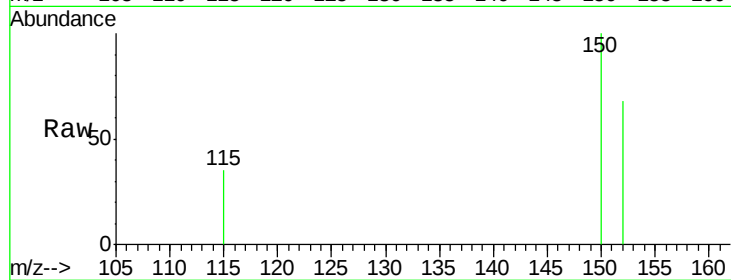
ClientSampleId :

MDL-07-W

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.0	120.8	181.2
115	51.4	42.7	64.1



#4

Naphthalene-d8

Concen: 5.00 ng

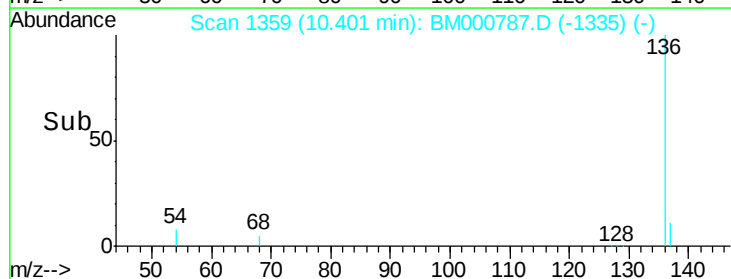
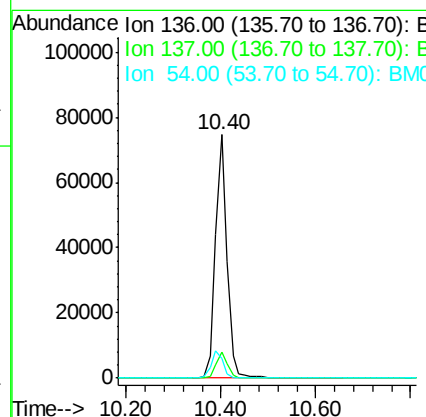
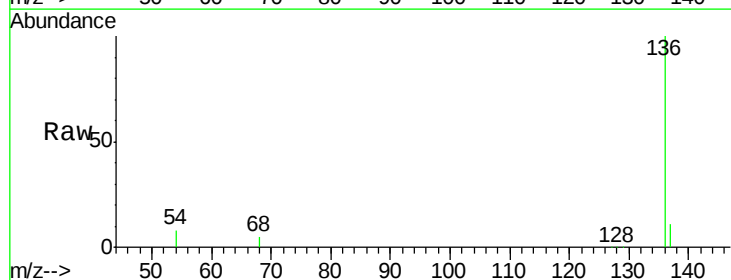
RT: 10.40 min Scan# 1359

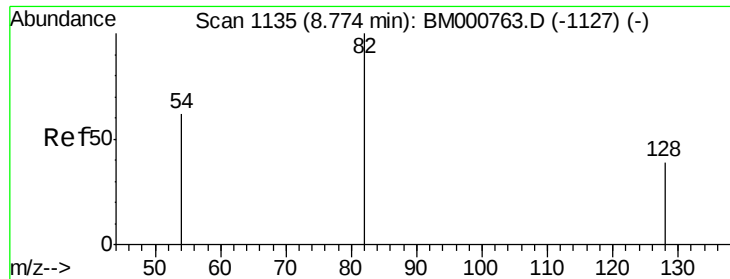
Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.8	7.0	10.6





#5

Nitrobenzene-d5

Concen: 7.57 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000787.D

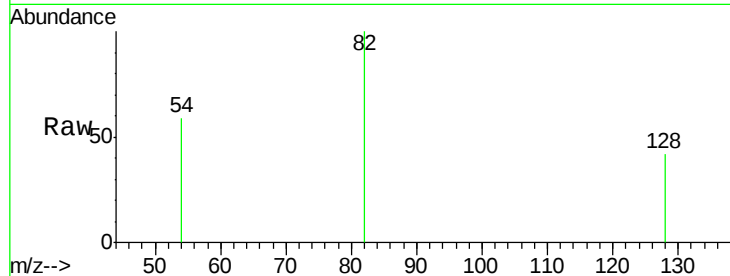
Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

ClientSampleId :

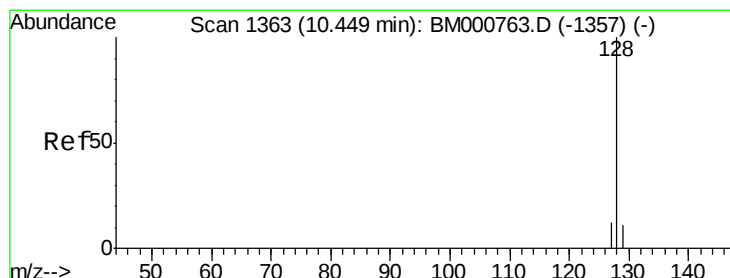
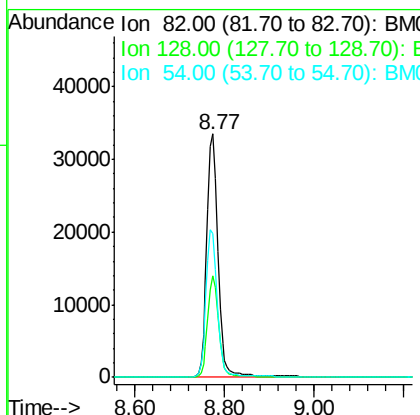
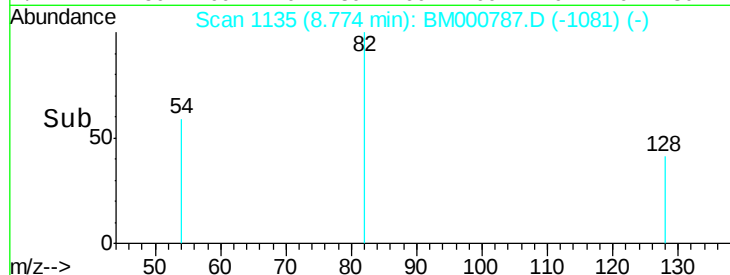
MDL-07-W



Tgt Ion:	82	Resp:	58319
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.2	48.2
54	58.9	50.2	75.4

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#6

Naphthalene

Concen: 0.07 ng

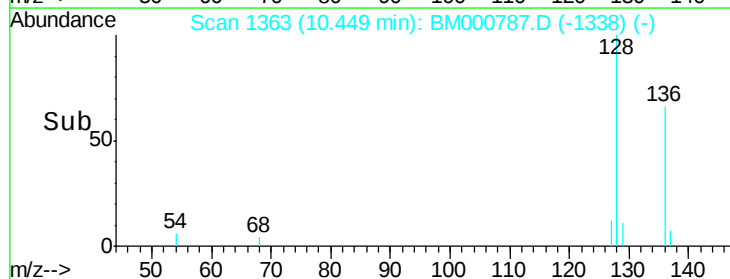
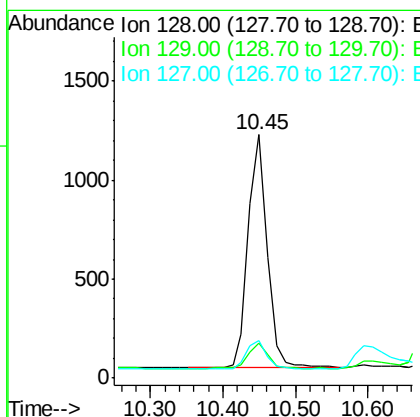
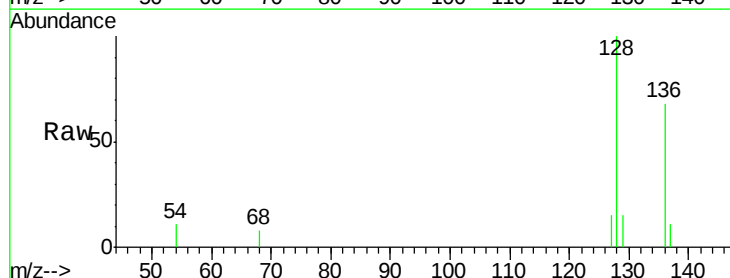
RT: 10.45 min Scan# 1363

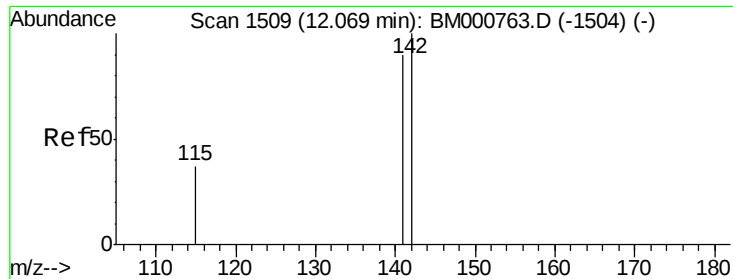
Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Tgt Ion:	128	Resp:	2129
Ion Ratio	Lower	Upper	
128	100		
129	14.6	8.9	13.3#
127	15.4	10.0	15.0#





#7

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

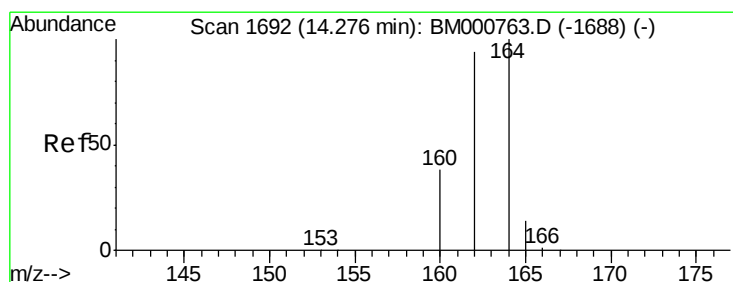
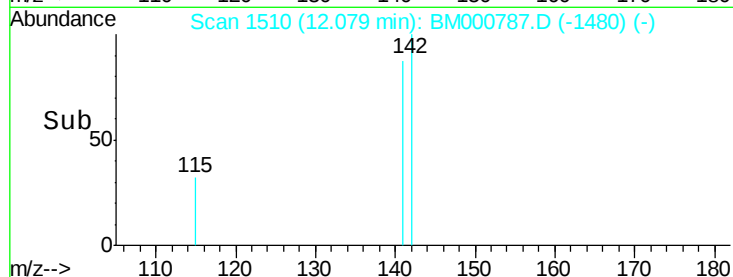
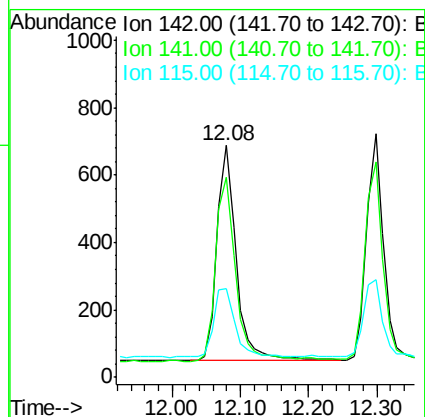
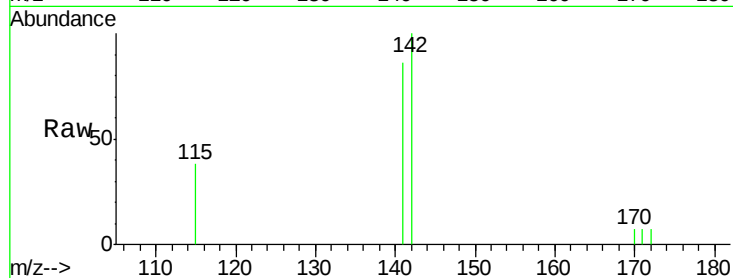
ClientSampleId :

MDL-07-W

Tgt Ion:	142	Resp:	1242
Ion Ratio	Lower	Upper	
142	100		
141	86.3	72.3	108.5
115	38.2	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

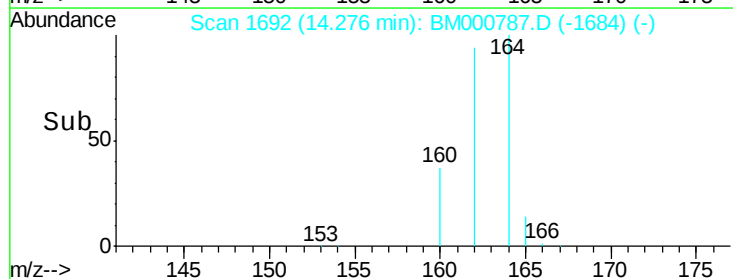
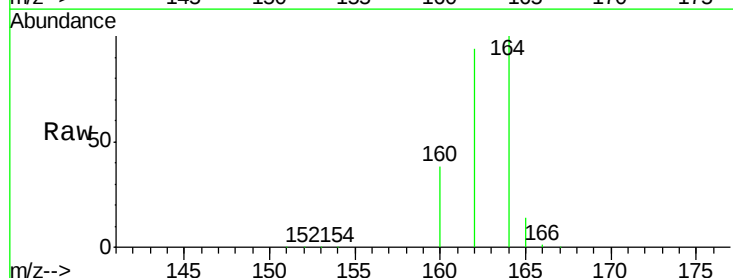
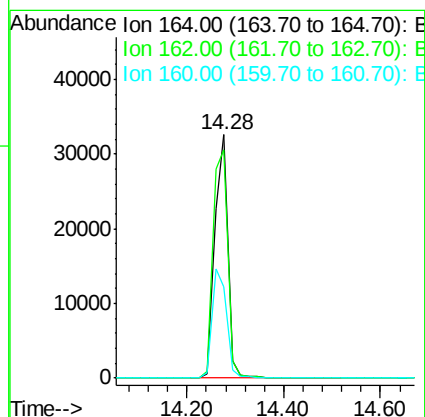
RT: 14.28 min Scan# 1692

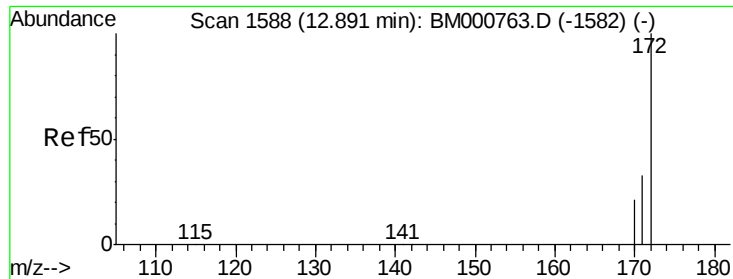
Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Tgt Ion:	164	Resp:	60572
Ion Ratio	Lower	Upper	
164	100		
162	93.5	75.4	113.2
160	37.5	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 9.28 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

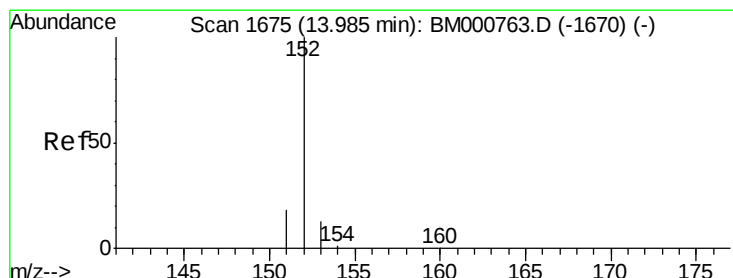
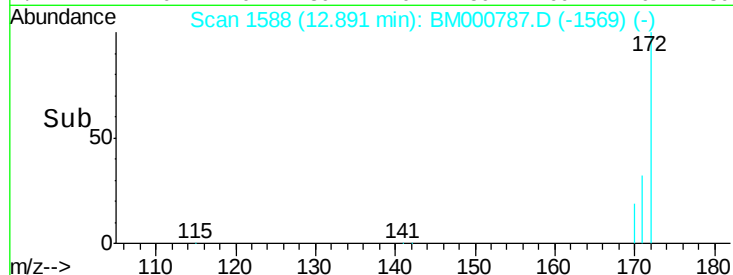
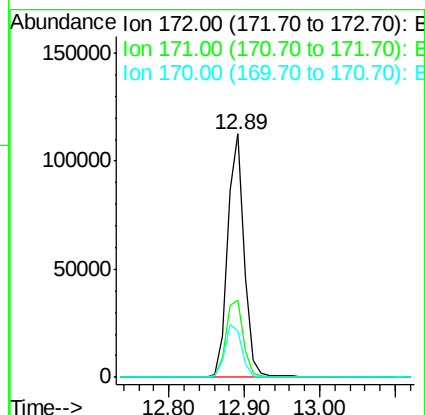
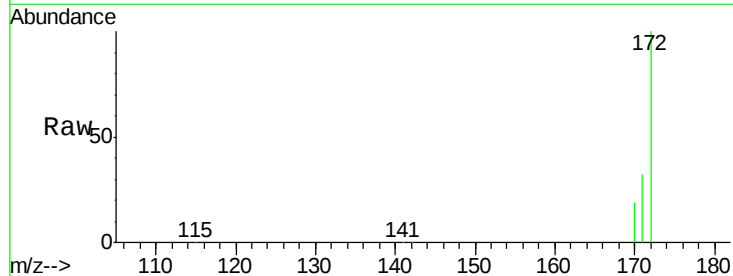
ClientSampleId :

MDL-07-W

Tgt Ion:	172	Resp:	174360
Ion Ratio	Lower	Upper	
172	100		
171	31.8	26.6	39.8
170	19.3	17.1	25.7

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#10

Acenaphthylene

Concen: 0.06 ng

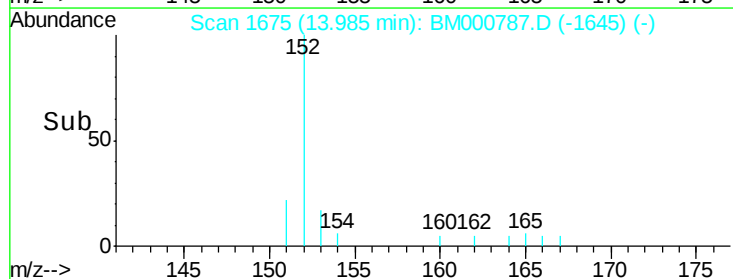
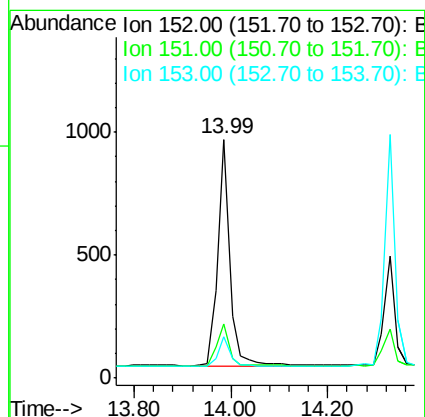
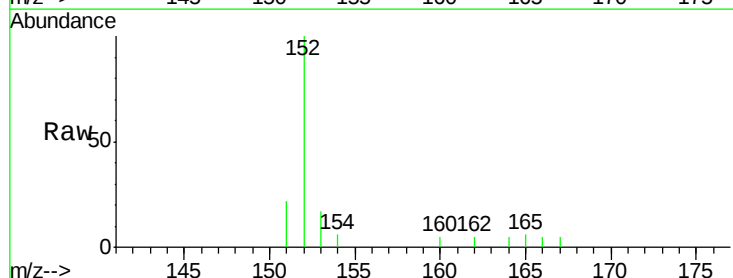
RT: 13.99 min Scan# 1675

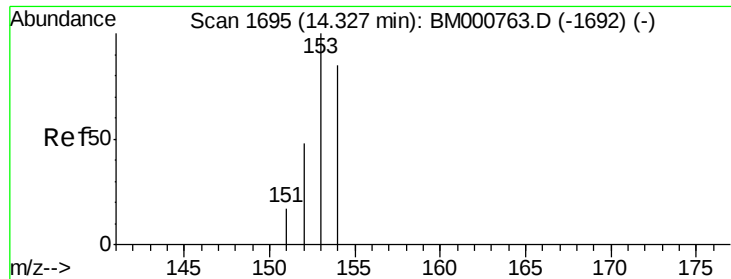
Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Tgt Ion:	152	Resp:	1617
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.1	22.7
153	13.2	10.2	15.4





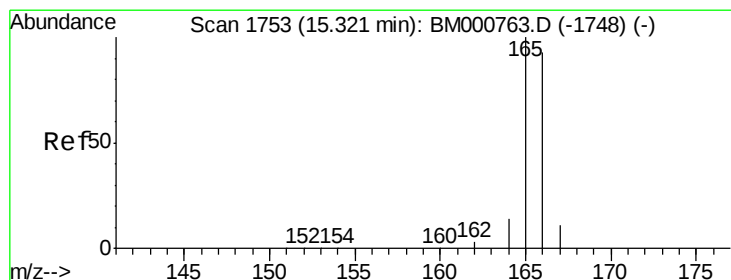
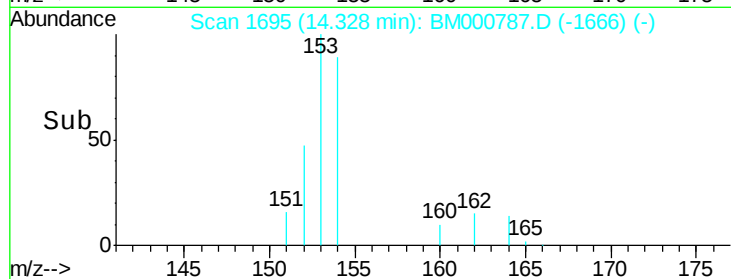
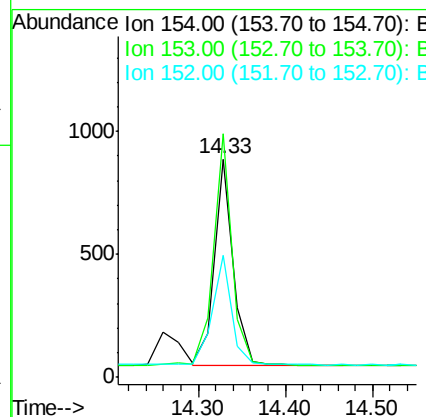
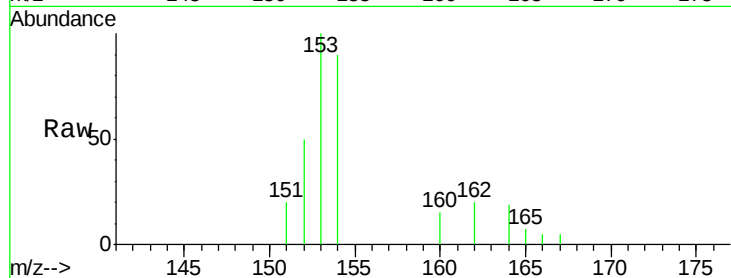
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Acenaphthene
Concen: 0.07 ng
RT: 14.33 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Instrument :
BNA_M
ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.2	87.3	130.9
152	54.8	43.0	64.6

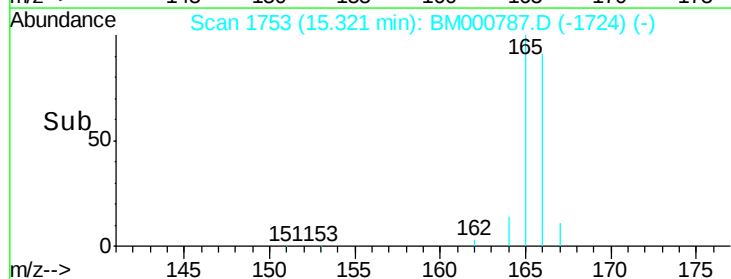
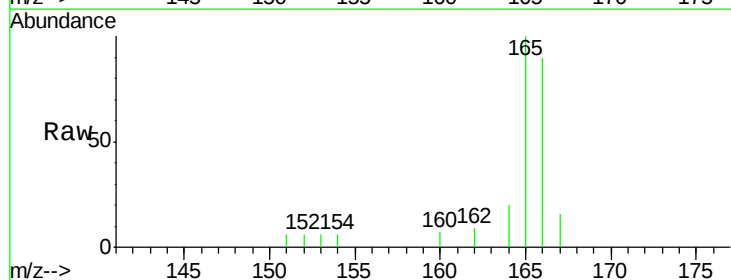
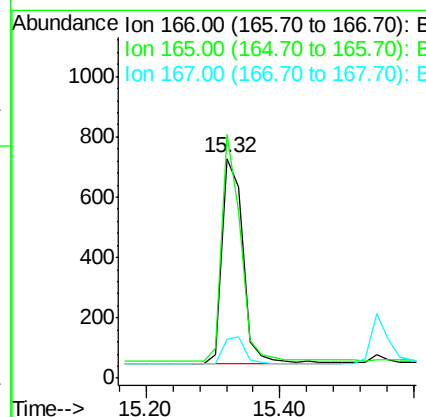
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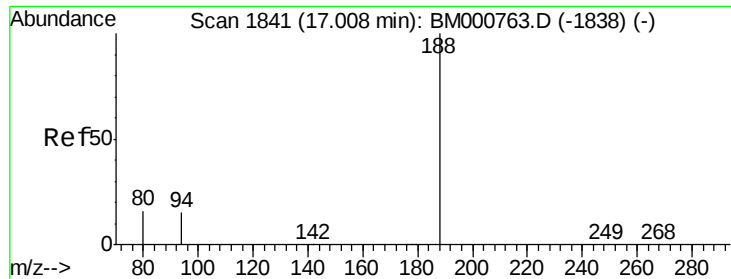
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#12
Fluorene
Concen: 0.07 ng
RT: 15.32 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.2	117.2
167	13.0	10.7	16.1





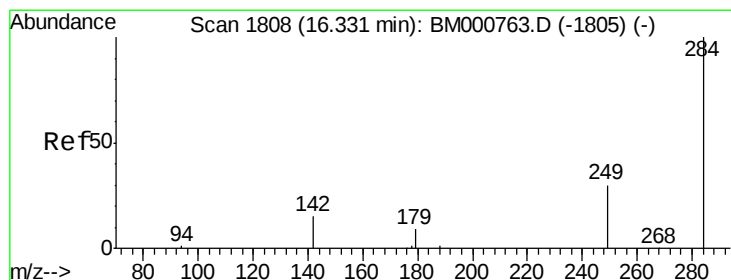
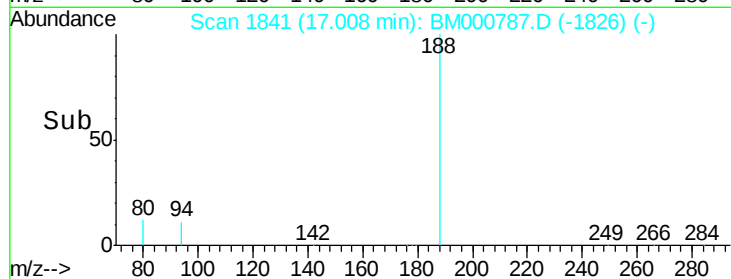
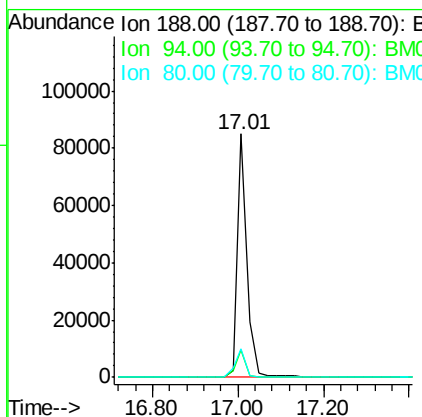
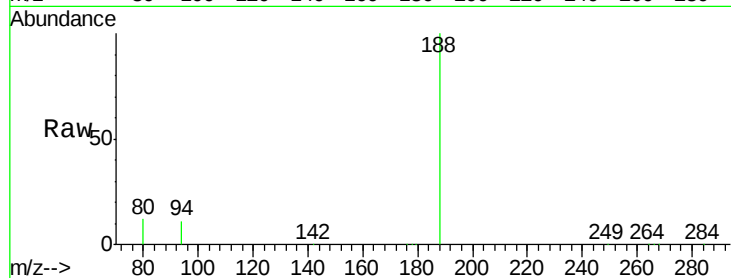
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Instrument :
BNA_M
ClientSampled :
MDL-07-W

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	136670		
94	11.4	12.0	18.0#	
80	11.6	12.8	19.2#	

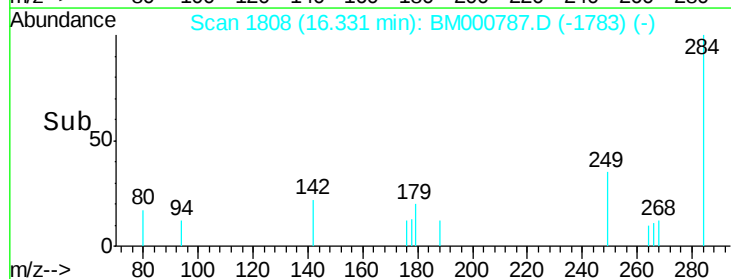
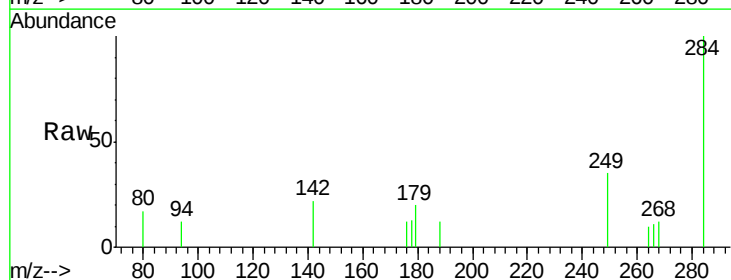
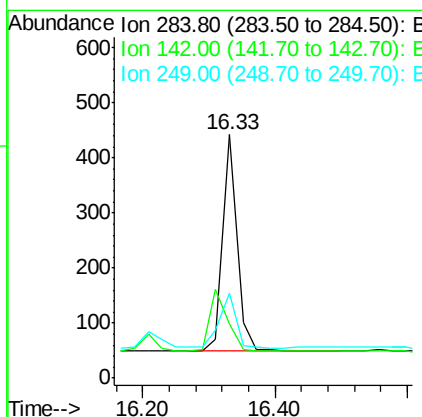
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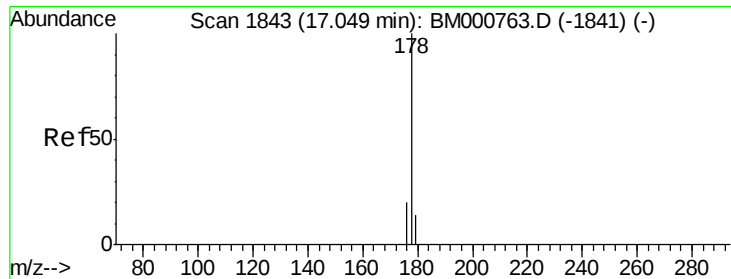
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#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	587		
142	0.0	0.0	0.0	
249	29.1	25.2	37.8	





#16

Phenanthrene

Concen: 0.07 ng m

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

ClientSampleId :

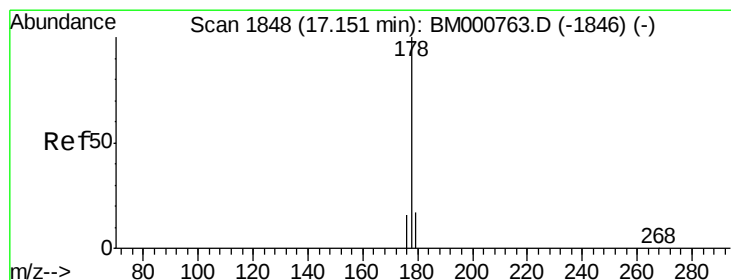
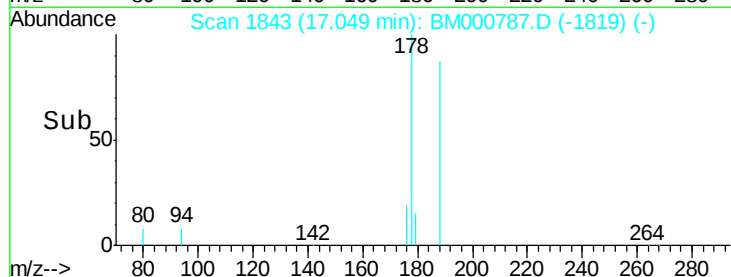
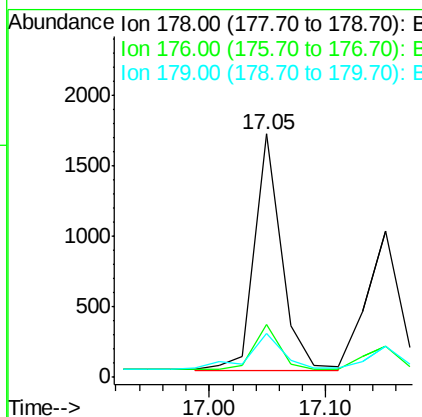
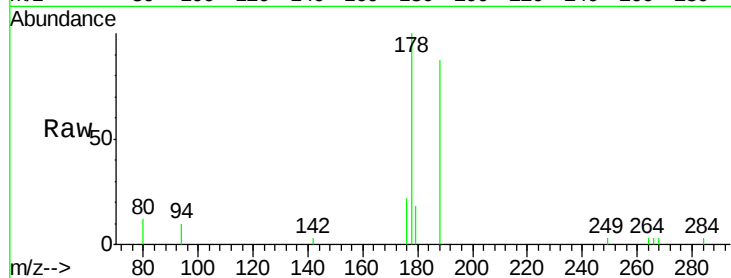
MDL-07-W

Tgt Ion:178 Resp: 2681

Ion	Ratio	Lower	Upper
178	100		
176	14.1	15.3	22.9#
179	12.8	12.2	18.2

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#17

Anthracene

Concen: 0.07 ng

RT: 17.15 min Scan# 1848

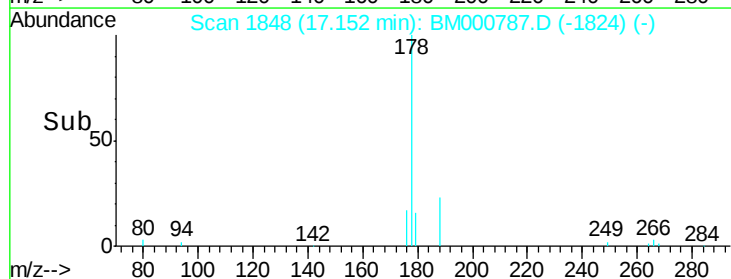
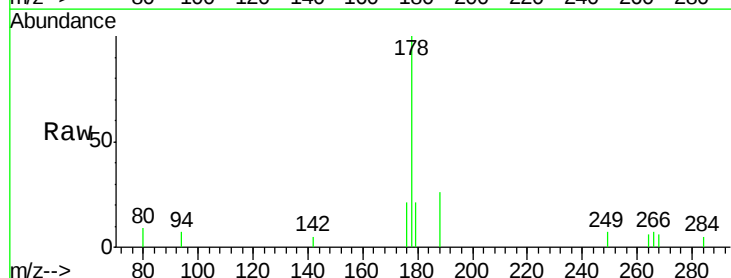
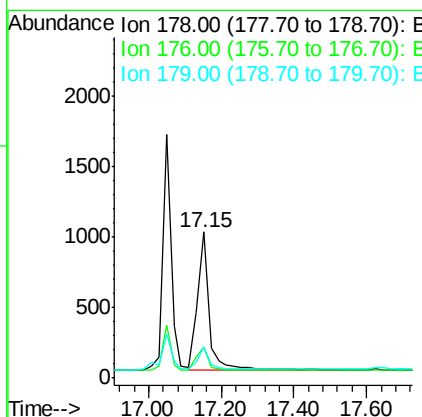
Delta R.T. 0.00 min

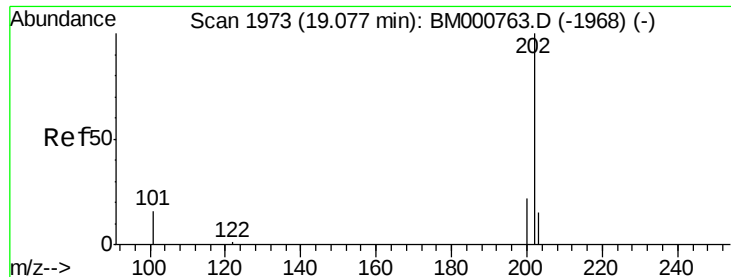
Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Tgt Ion:178 Resp: 2169

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	22.0
179	15.8	12.2	18.4





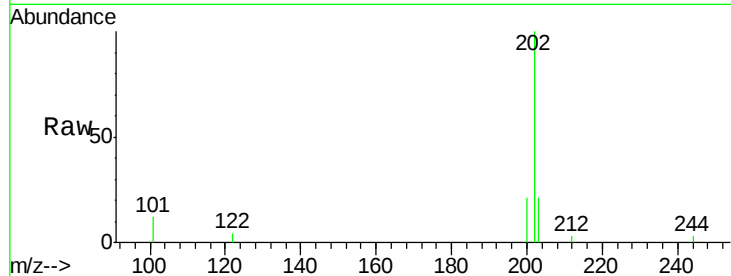
#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000787.D
 Acq: 01 Apr 2015 14:55

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

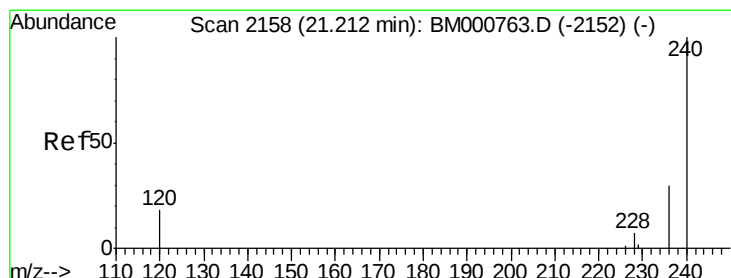
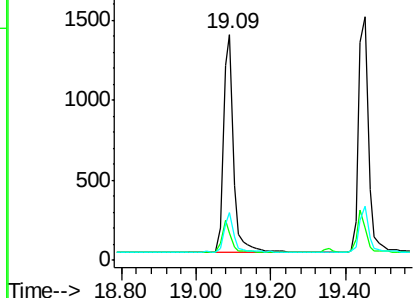
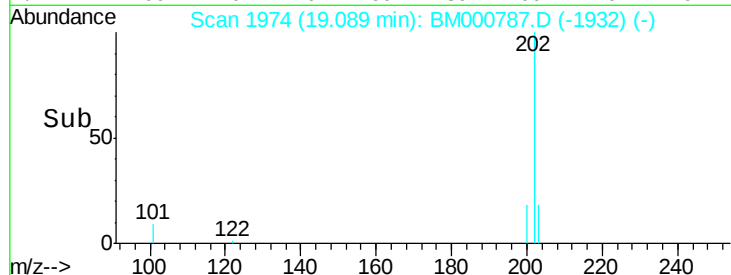
Tgt Ion:	202	Resp:	2576
Ion Ratio	Lower	Upper	
202	100		
101	13.5	10.5	15.7
203	17.7	13.8	20.8

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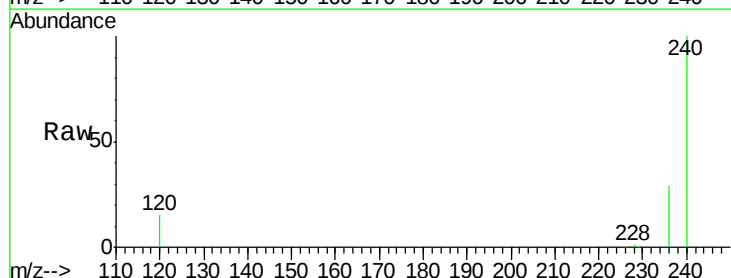


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

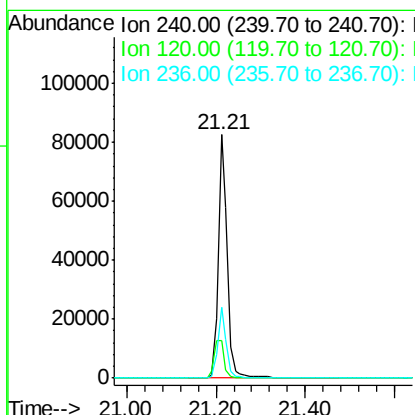
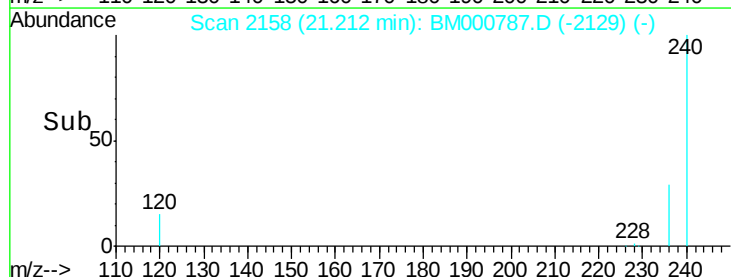


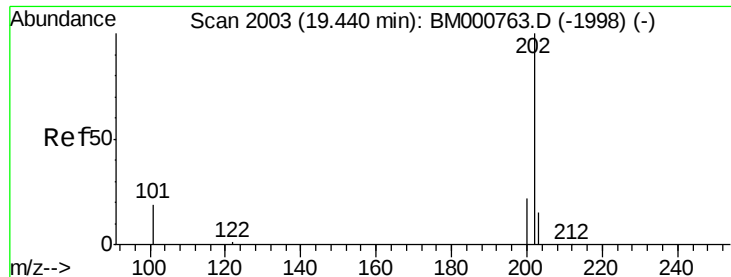
#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000787.D
 Acq: 01 Apr 2015 14:55

Tgt Ion:	240	Resp:	113674
Ion Ratio	Lower	Upper	
240	100		
120	15.5	14.9	22.3
236	29.2	24.2	36.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





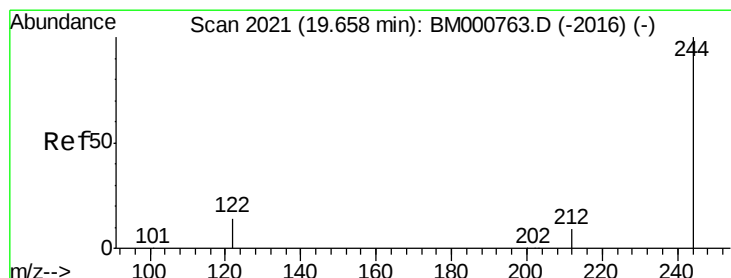
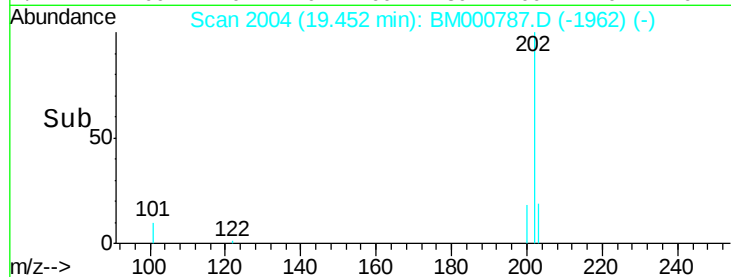
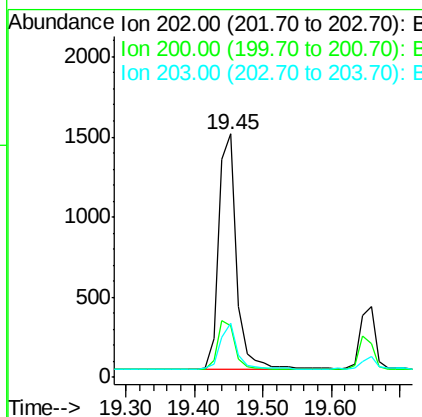
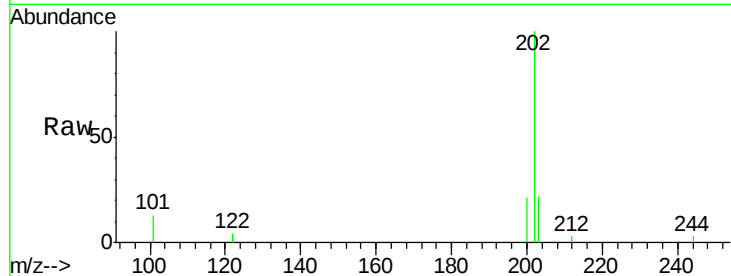
#20
Pyrene
Concen: 0.07 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Instrument :
BNA_M
ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2657		
200	20.5	16.2	24.2	
203	18.1	13.9	20.9	

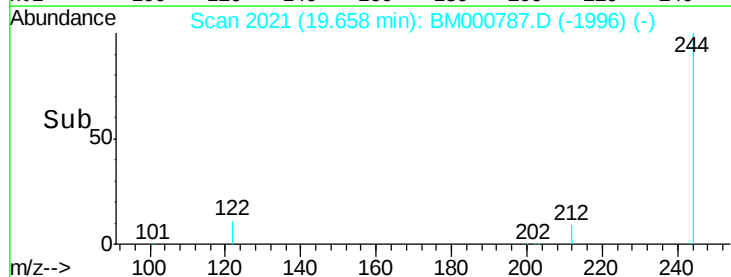
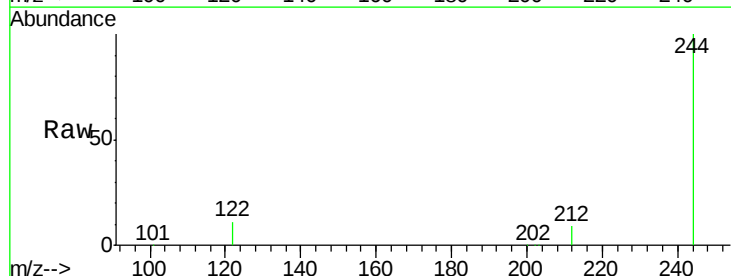
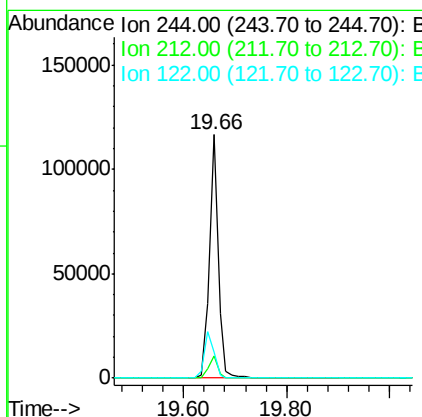
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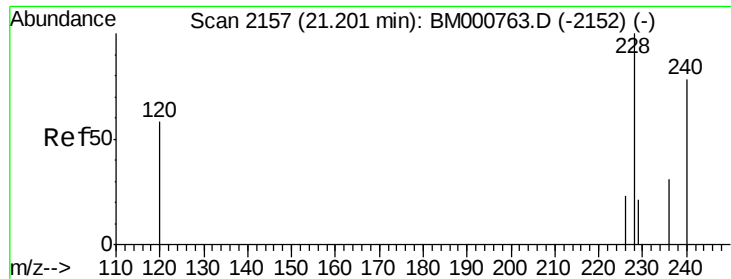
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#21
Terphenyl-d14
Concen: 10.23 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	139870		
212	8.9	7.8	11.6	
122	10.9	11.8	17.8	





#22

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

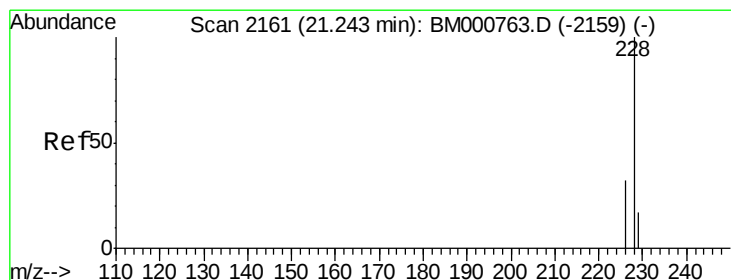
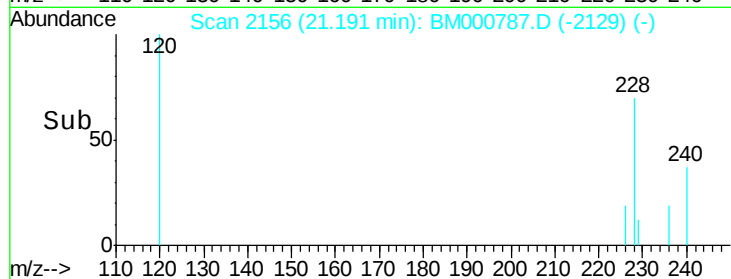
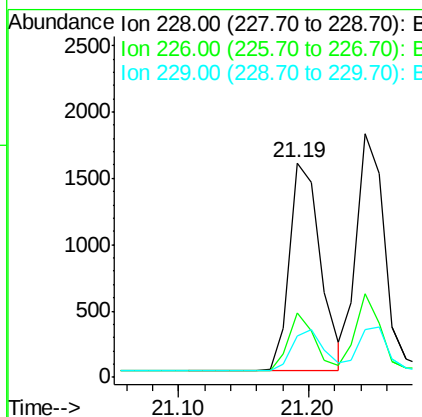
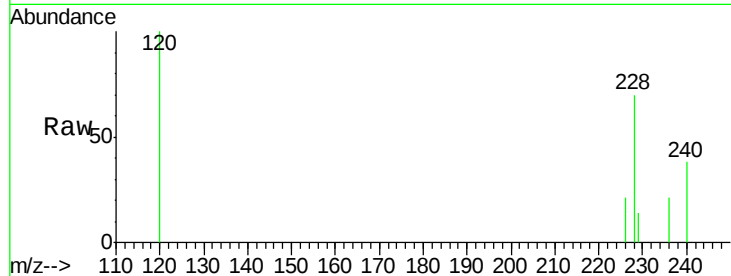
ClientSampleId :

MDL-07-W

Tgt Ion:	228	Resp:	2588
Ion Ratio	Lower	Upper	
228	100		
226	30.0	18.6	27.8#
229	19.5	17.2	25.8

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#23

Chrysene

Concen: 0.08 ng

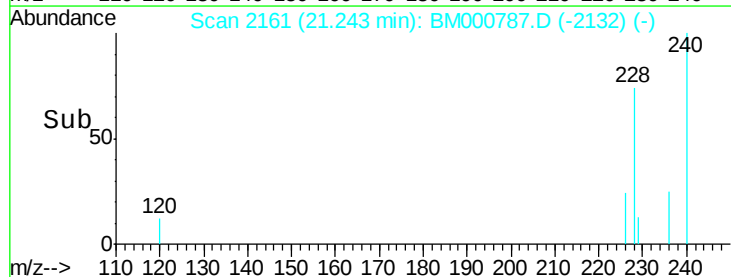
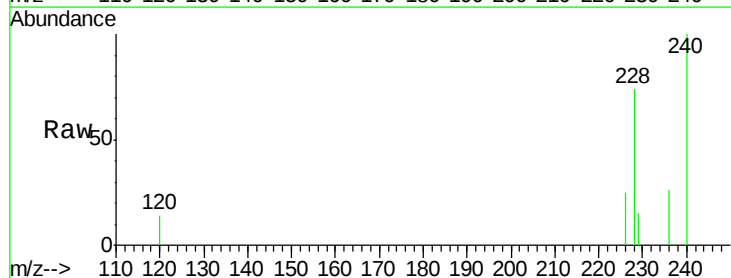
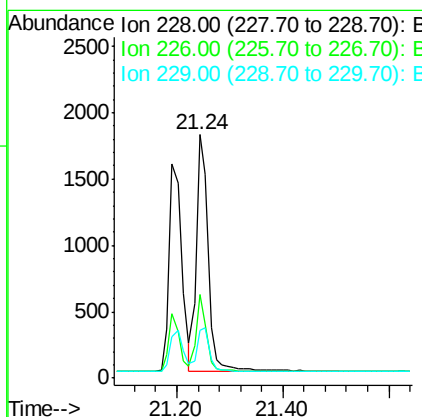
RT: 21.24 min Scan# 2161

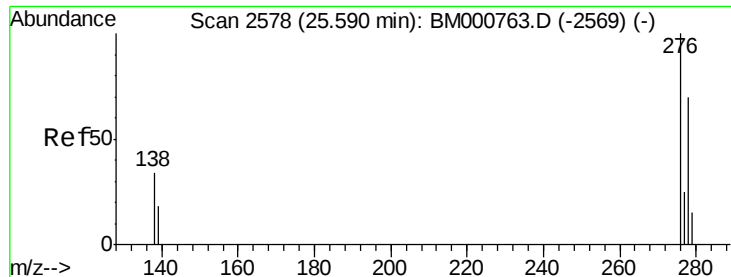
Delta R.T. 0.00 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

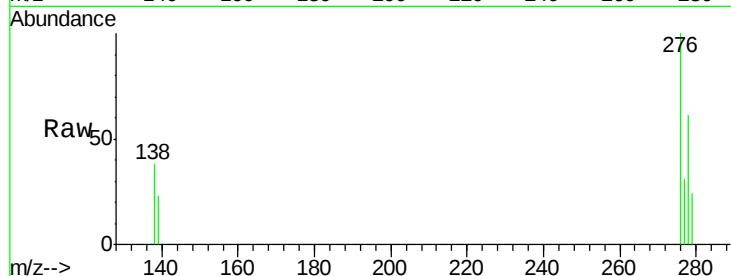
Tgt Ion:	228	Resp:	2806
Ion Ratio	Lower	Upper	
228	100		
226	34.1	25.8	38.8
229	19.7	13.8	20.6





#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng
 RT: 25.59 min Scan# 2578
 Delta R.T. 0.00 min
 Lab File: BM000787.D
 Acq: 01 Apr 2015 14:55

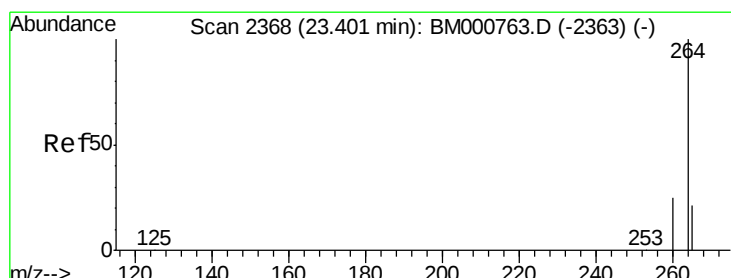
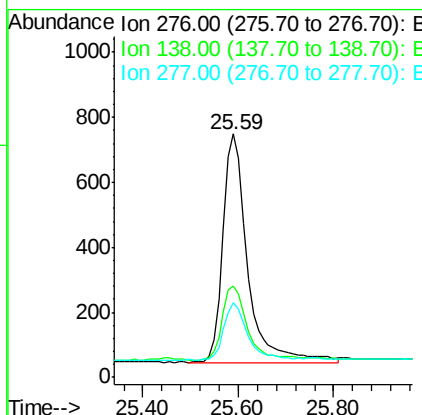
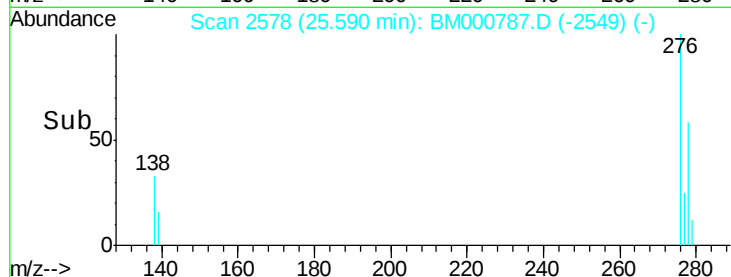
Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W



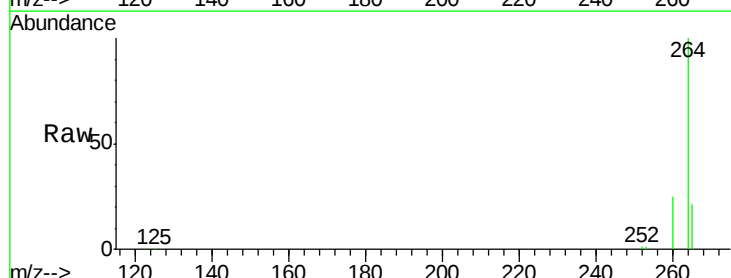
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	2519		
138	33.8		27.4	41.2
277	24.5		19.7	29.5

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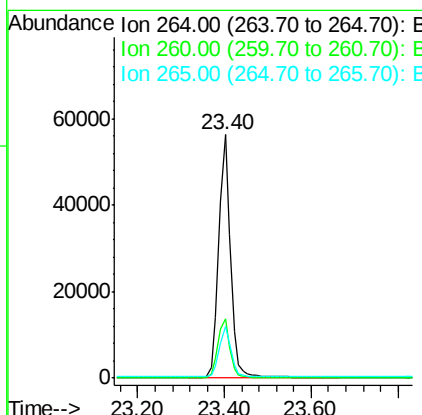
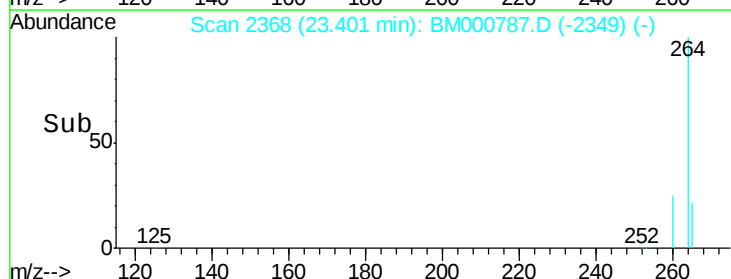
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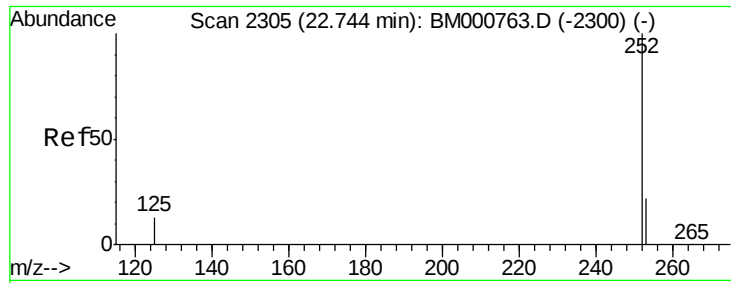


#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: BM000787.D
 Acq: 01 Apr 2015 14:55



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	105211		
260	24.6		20.1	30.1
265	21.4		17.4	26.0





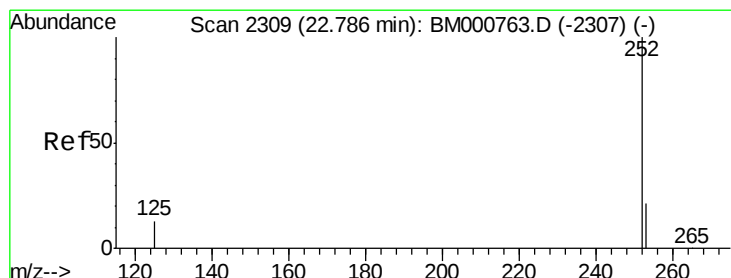
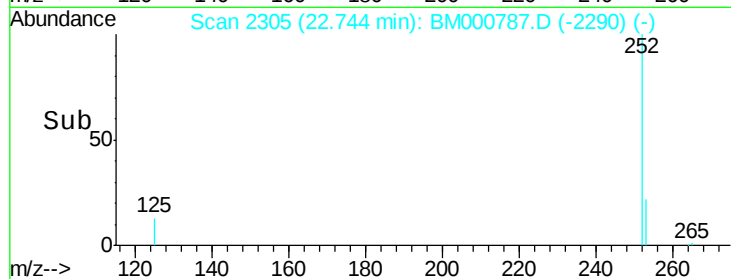
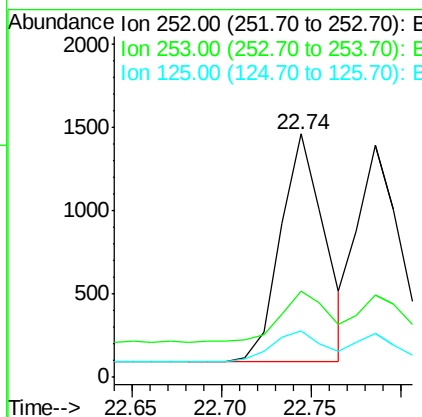
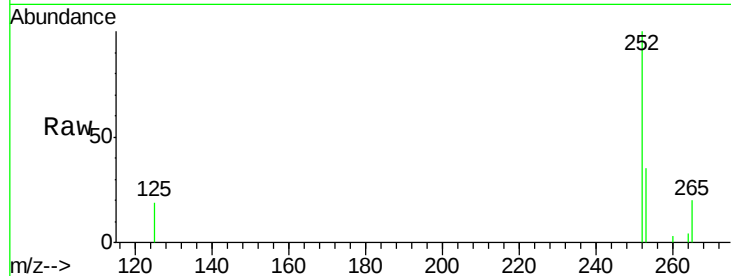
#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Instrument :
BNA_M
ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.5	18.5	27.7#
125	19.0	10.6	16.0#

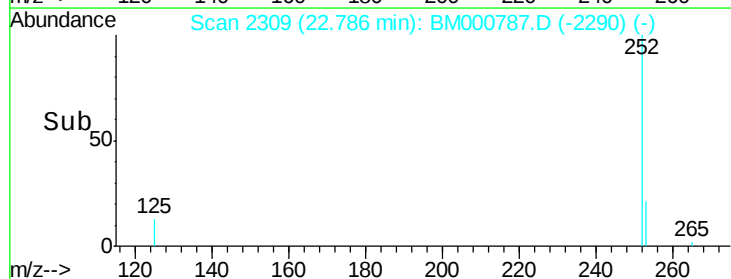
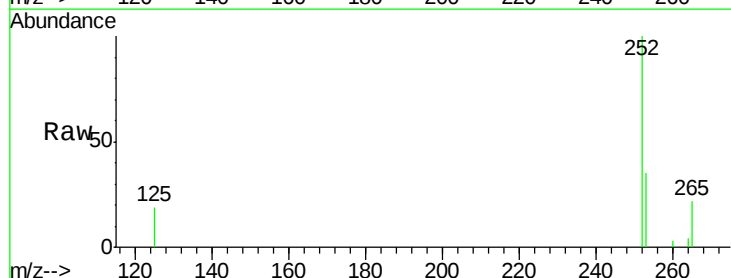
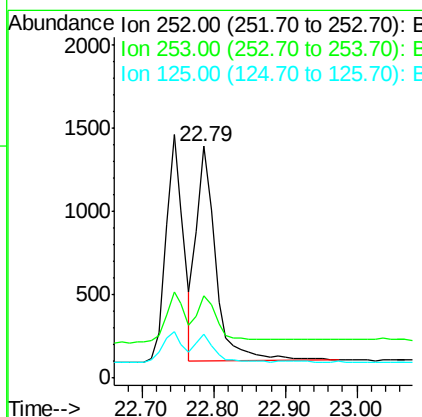
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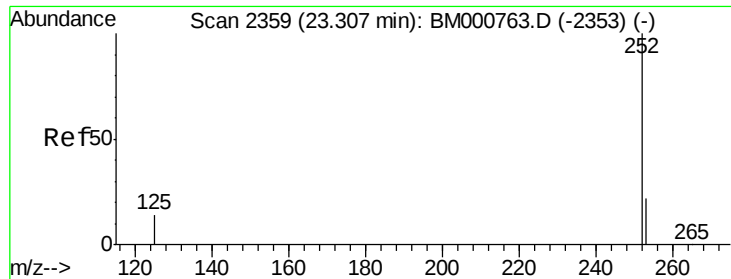
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#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000787.D
Acq: 01 Apr 2015 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.3	17.9	26.9#
125	18.8	10.8	16.2#





#28

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000787.D

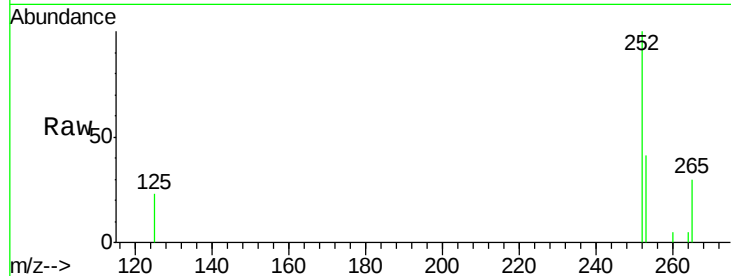
Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

ClientSampleId :

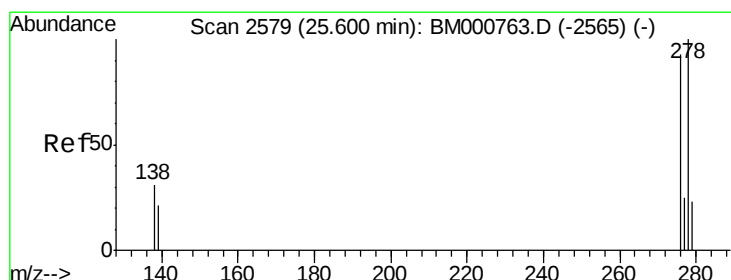
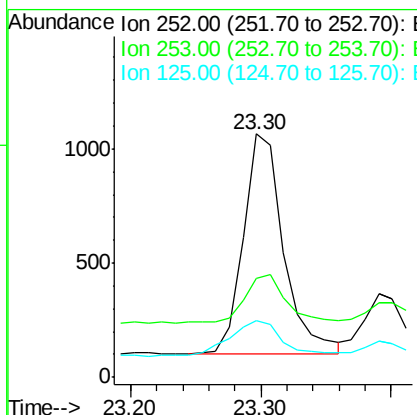
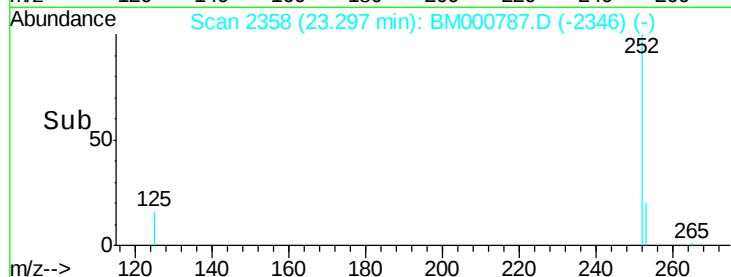
MDL-07-W



Tgt Ion:	252	Resp:	2087
Ion Ratio	Lower	Upper	
252	100		
253	40.9	19.4	29.2#
125	23.2	11.5	17.3#

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#29

Dibenzo(a,h)anthracene

Concen: 0.07 ng

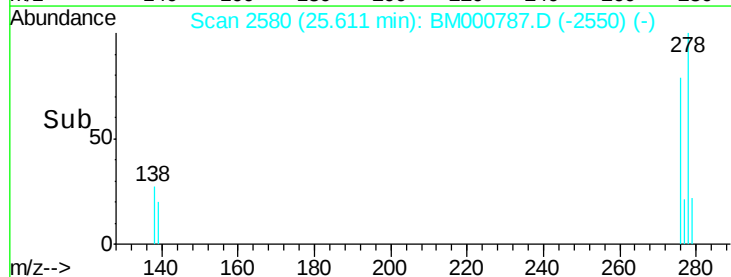
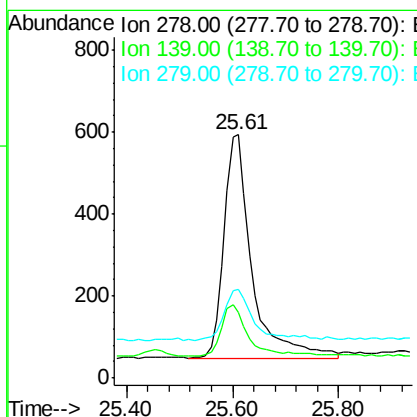
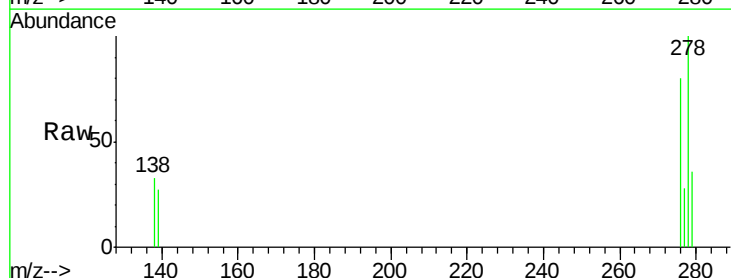
RT: 25.61 min Scan# 2580

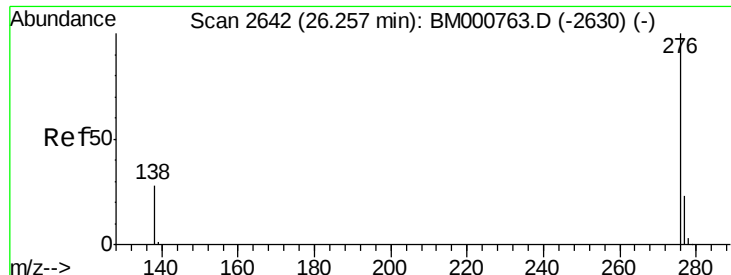
Delta R.T. 0.01 min

Lab File: BM000787.D

Acq: 01 Apr 2015 14:55

Tgt Ion:	278	Resp:	1998
Ion Ratio	Lower	Upper	
278	100		
139	26.9	17.8	26.6#
279	36.2	19.3	28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.08 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000787.D

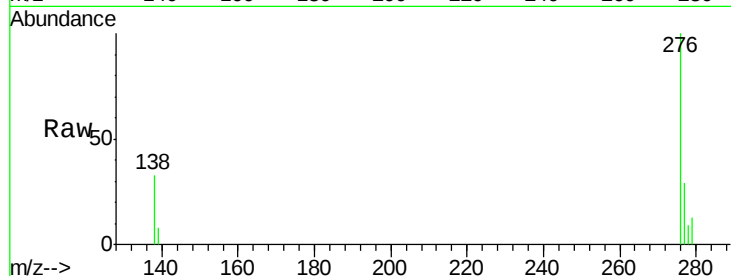
Acq: 01 Apr 2015 14:55

Instrument :

BNA_M

ClientSampleId :

MDL-07-W



Tgt Ion: 276 Resp: 2339

Ion Ratio Lower Upper

276 100

277 28.8 19.1 28.7#

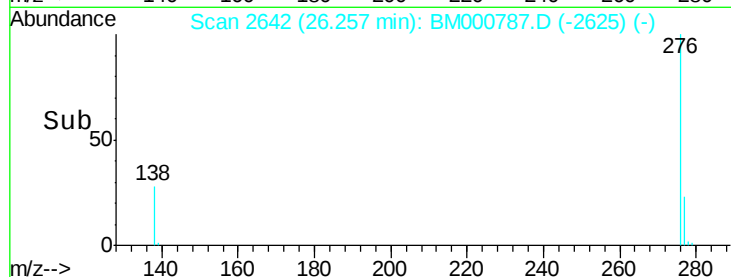
138 33.4 23.1 34.7

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

